

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101511484  
Source: IFW16  
Date Processed by STIC: 3/15/07

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/511,484

DATE: 03/15/2007

TIME: 14:37:45

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

```

3 <110> APPLICANT: Jabbour, Henry
4       Milne, Stuart
5       Critchley, Hilary
7 <120> TITLE OF INVENTION: FP RECEPTOR ANTAGONISTS OR PGF2 ALPHA ANTAGONISTS FOR
TREATING
8       MENORRHAGIA
10 <130> FILE REFERENCE: 20747/200
12 <140> CURRENT APPLICATION NUMBER: US 10/511,484
13 <141> CURRENT FILING DATE: 2005-10-21
15 <150> PRIOR APPLICATION NUMBER: PCT/GB03/01536
16 <151> PRIOR FILING DATE: 2003-04-10
18 <150> PRIOR APPLICATION NUMBER: GB 0208785.6
19 <151> PRIOR FILING DATE: 2002-04-17
21 <150> PRIOR APPLICATION NUMBER: GB 0208783.1
22 <151> PRIOR FILING DATE: 2002-04-17
24 <160> NUMBER OF SEQ ID NOS: 20
26 <170> SOFTWARE: PatentIn version 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 19
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: PCP-1
36 <400> SEQUENCE: 1
38 Arg Val Lys Phe Lys Ser Gln Gln His Arg Gln Gly Arg Ser His His
39 1           5           10           15
42 Leu Glu Met
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 52
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial
51 <220> FEATURE:
52 <223> OTHER INFORMATION: PCP-2
54 <400> SEQUENCE: 2
56 Arg Lys Ala Val Leu Lys Asn Leu Tyr Lys Leu Ala Ser Gln Cys Cys
57 1           5           10           15
60 Gly Val His Val Ile Ser Leu His Ile Trp Glu Leu Ser Ser Ile Lys
61           20           25           30
64 Asn Ser Leu Lys Val Ala Ala Ile Ser Glu Ser Pro Val Ala Glu Lys
65           35           40           45
68 Ser Ala Ser Thr
69           50
72 <210> SEQ ID NO: 3

```

73 <211> LENGTH: 30

## RAW SEQUENCE LISTING

DATE: 03/15/2007

PATENT APPLICATION: US/10/511,484

TIME: 14:37:45

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

```

74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: PCP-3
80 <400> SEQUENCE: 3
82 Cys Leu Ser Glu Glu Ala Lys Glu Ala Arg Arg Ile Asn Asp Glu Ile
83 1      5      10      15
86 Glu Arg Gln Leu Arg Arg Asp Lys Arg Asp Ala Arg Arg Glu
87      20      25      30
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 15
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial
95 <220> FEATURE:
96 <223> OTHER INFORMATION: PCP-4
98 <400> SEQUENCE: 4
100 Lys Asp Thr Ile Leu Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val
101 1      5      10      15
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 8
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial
109 <220> FEATURE:
110 <223> OTHER INFORMATION: PCP-8
112 <400> SEQUENCE: 5
114 Ile Leu Gly His Arg Asp Tyr Lys
115 1      5
118 <210> SEQ ID NO: 6
119 <211> LENGTH: 8
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial
123 <220> FEATURE:
124 <223> OTHER INFORMATION: PCP-10
126 <400> SEQUENCE: 6
128 Trp Glu Asp Arg Phe Tyr Leu Leu
129 1      5
132 <210> SEQ ID NO: 7
133 <211> LENGTH: 9
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: EP4 receptor antagonist
140 <400> SEQUENCE: 7
142 Ile Phe Thr Ser Tyr Leu Glu Cys Leu
143 1      5
146 <210> SEQ ID NO: 8
147 <211> LENGTH: 8
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial

```

## RAW SEQUENCE LISTING

DATE: 03/15/2007

PATENT APPLICATION: US/10/511,484

TIME: 14:37:45

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

151 <220> FEATURE:  
152 <223> OTHER INFORMATION: EP4 receptor antagonist  
154 <400> SEQUENCE: 8  
156 Ile Phe Ala Ser Tyr Glu Cys Leu  
157 1 5  
160 <210> SEQ ID NO: 9  
161 <211> LENGTH: 8  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial  
165 <220> FEATURE:  
166 <223> OTHER INFORMATION: EP4 receptor antagonist  
168 <400> SEQUENCE: 9  
170 Ile Phe Thr Ser Ala Glu Cys Leu  
171 1 5  
174 <210> SEQ ID NO: 10  
175 <211> LENGTH: 8  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Artificial  
179 <220> FEATURE:  
180 <223> OTHER INFORMATION: EP4 receptor antagonist  
182 <400> SEQUENCE: 10  
184 Ile Phe Thr Ser Tyr Glu Ala Leu  
185 1 5  
188 <210> SEQ ID NO: 11  
189 <211> LENGTH: 8  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Artificial  
193 <220> FEATURE:  
194 <223> OTHER INFORMATION: EP4 receptor antagonist  
196 <400> SEQUENCE: 11  
198 Ile Leu Ala Ser Tyr Glu Cys Leu  
199 1 5  
202 <210> SEQ ID NO: 12  
203 <211> LENGTH: 8  
204 <212> TYPE: PRT  
205 <213> ORGANISM: Artificial  
207 <220> FEATURE:  
208 <223> OTHER INFORMATION: EP4 receptor antagonist  
210 <400> SEQUENCE: 12  
212 Ile Phe Thr Ser Thr Asp Cys Leu  
213 1 5  
216 <210> SEQ ID NO: 13  
217 <211> LENGTH: 7  
218 <212> TYPE: PRT  
219 <213> ORGANISM: Artificial  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: EP4 receptor antagonist  
225 <220> FEATURE:  
226 <221> NAME/KEY: UNSURE

## RAW SEQUENCE LISTING

DATE: 03/15/2007

PATENT APPLICATION: US/10/511,484

TIME: 14:37:45

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

```

227 <222> LOCATION: (1)..(1)
228 <223> OTHER INFORMATION: Xaa at position 1 is 4-biphenyl alanine
230 <400> SEQUENCE: 13
W--> 232 Xaa Thr Ser Tyr Glu Ala Leu
233 1 5
236 <210> SEQ ID NO: 14
237 <211> LENGTH: 7
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: EP4 receptor antagonist
245 <220> FEATURE:
246 <221> NAME/KEY: UNSURE
247 <222> LOCATION: (1)..(1)
248 <223> OTHER INFORMATION: Xaa at position 1 is homophenyl alanine
250 <400> SEQUENCE: 14
W--> 252 Xaa Thr Ser Tyr Glu Ala Leu
253 1 5
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 19
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: FP Receptor Fwd Primer ,
264 <400> SEQUENCE: 15
265 gcagctgcgc ttctttcaa 19
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 30
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: FP Receptor Rev Primer
276 <400> SEQUENCE: 16
277 cactgtcatg aagattactg aaaaaaatac 30
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 24
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial
285 <220> FEATURE:
286 <223> OTHER INFORMATION: FP Receptor Probe
288 <400> SEQUENCE: 17
289 cacaacctgc cagacggaaa accg 24
292 <210> SEQ ID NO: 18
293 <211> LENGTH: 20
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Ribosomal 18S Fwd Primer
300 <400> SEQUENCE: 18

```

## RAW SEQUENCE LISTING

DATE: 03/15/2007

PATENT APPLICATION: US/10/511,484

TIME: 14:37:45

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

```
301 cggctaccac atccaaggaa                20
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 18
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Ribosomal 18S Rev Primer
312 <400> SEQUENCE: 19
313 gctggaatta ccgcggct                18
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 22
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Ribosomal 18S Probe
324 <400> SEQUENCE: 20
325 tgctggcacc agacttgccc tc            22
```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/511,484

DATE: 03/15/2007  
TIME: 14:37:46

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; Xaa Pos. 1

Seq#:14; Xaa Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/511,484

DATE: 03/15/2007

TIME: 14:37:46

Input Set : N:\efs\03\_15\_07

\10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt

Output Set: N:\CRF4\03152007\J511484.raw

L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0

L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0